

**Project Definition:** The entire collection for a contracted area.

**Work Unit Definition:** A production block of data defined by the National Geospatial Technical Operations Center due to expediency, priority or resource allocation. There can be one or many work units per project.

### Project Information

<b>Lidar Base Specification:</b> Lidar Base Specification 2024 rev. A	<b>Primary Contractor:</b> Woolpert, Inc. (Woolpert)
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> GPSC
<b>P Method:</b> 7 - Linear-Mode Lidar	
<b>Collection Start Date:</b> 07-26-2023	<b>Collection End Date:</b> 10-30-2023
<b>The National Map Email:</b> tnm_help@usgs.gov	

### Vertical Accuracy Results

The U.S. Geological Survey evaluates absolute vertical accuracy of the lidar and lidar-derived bare earth DEM data at the project level

Lidar Point Cloud	Required NVA RMSEz (cm)	Tested NVA RMSEz (cm)	Required NVA at 95% confidence level (cm)	Tested NVA at 95% confidence level (cm)	Required VVA at 95th percentile (cm)	Tested VVA at 95th percentile (cm)
	10.0	5.48	19.6	10.75	N/A	18.83

Digital Elevation Model	Required NVA RMSEz (cm)	Tested NVA RMSEz (cm)	Required NVA at 95% confidence level (cm)	Tested NVA at 95% confidence level (cm)	Required VVA at 95th percentile (cm)	Tested VVA at 95th percentile (cm)
	10.0	5.54	19.6	10.86	30.0	20.09

Please see the vertical\_accuracy folder within the project metadata for more information.

### Classifications Used

Classification verification is limited to the minimum required by applicable Lidar Base Specification. Classifications beyond the minimum are not verified by USGS.

Classification ID	Classification Type
1	Unclassified
2	Ground
7	Low Point (Noise)
9	Water
17	Bridge Deck
18	High Noise
20	Ignored Ground

### Sensor(s) Used

<b>Sensor</b>
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## Work Unit Information

<a href="#">CO_ArapahoRooseveltPikeNF_1_D23</a>	<b>Work Unit ID:</b> 300647	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6342	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2023-07-26	<b>Collection End Date:</b> 2023-10-30	